

PRODUCT SPECIFICATION

Product code:

IXF-RAD-SM-1550-014-PI

| | Parameter | Specification | Units |
|---|--|-----------------|---------------|
| 1 | Core NA | 0.14 ± 0.01 | |
| 2 | Attenuation @ 1550 nm | < 0.6 | dB/km |
| 3 | Cutoff Wavelength | < 1350 | nm |
| 4 | MFD @ 1550 nm | 9 ± 1 | μm |
| 5 | Core/clad offset | < 1 | μm |
| 6 | Outside Cladding diameter | 125 ± 2 | μm |
| 7 | Coating diameter | 155 ± 5 | μm |
| 8 | Radiation Induced Attenuation @ 1550nm for 1 MGy (γ ray) | <30 | dB/km |

| | Design Parameter | Specification | Units |
|----|-----------------------------|---------------|--------------------|
| 9 | Core Material | Pure silica | |
| 10 | Coating Material | Polyimide | |
| 11 | Operating temperature range | -60 / +300 | $^{\circ}\text{C}$ |
| 12 | Proof test level | 100 | kpsi |

Product description :

Fiber designed for sensor applications.

Pure silica core radiation resistant fiber

Polyimide coated for High temperature resistance and Hash environment

Typical RIA @ 1550 nm for 1 MGy (γ ray) ~ 25 dB/km

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